

Human Low Molecular-Weight Protein/Proteasome beta-Type Subunit (LMP7/PSMB9) ELISA Kit | LMP7/PSMB9 elisa kit

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CATALOG #
AAA331263

REACTIVITY
Human

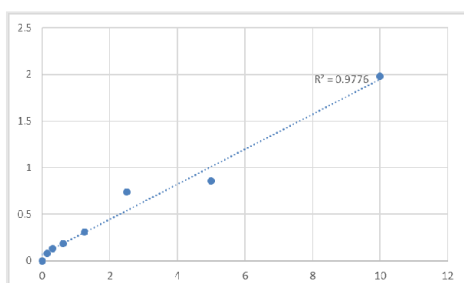
PRODUCT SYNONYMS

Low Molecular-Weight Protein/Proteasome beta-Type Subunit (LMP7/PSMB9); Human Low Molecular-Weight Protein/Proteasome beta-Type Subunit (LMP7/PSMB9) ELISA Kit; PSMB9; DADB-223G19.3; LMP2; MGC70470; PSMB6i; RING12; beta1i; low molecular mass protein 2; macropain chain 7; multicatalytic endopeptidase complex chain 7; proteasome beta 9 subunit; proteasome catalytic subu; LMP7/PSMB9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Low molecular-weight protein/proteasome beta-type subunit (LMP7/PSMB9) ELISA Kit has high sensitivity and excellent specificity for detection of Human PSMB9. No significant cross-reactivity or interference between Human PSMB9 and analogues was observed.
Sequence Length	219
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Low molecular-weight protein/proteasome beta-type subunit (LMP7/PSMB9) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LMP7/PSMB9 elisa kit	Description: This Human Low molecular-weight protein/proteasome beta-type subunit (LMP7/PSMB9) ELISA Kit employs a two-site sandwich ELISA to quantitate PSMB9 in samples. An antibody specific for PSMB9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PSMB9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSMB9 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PSMB9 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. LMP2 isa member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. LMP2 is located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 1 (proteasome beta 6 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	417529
NCBI GeneID	5698
UniProt Accession #	P28065
NCBI Official Full Name	Proteasome subunit beta type-9
NCBI Official Synonym Full Names	proteasome subunit beta 9
NCBI Official Symbol	PSMB9
NCBI Official Synonym Symbols	LMP2; PRAAS3; PSMB6i; RING12; beta1i
NCBI Protein Information	proteasome subunit beta type-9
UniProt Protein Name	Proteasome subunit beta type-9
UniProt Gene Name	PSMB9
UniProt Synonym Gene Names	LMP2; PSMB6i; RING12
UniProt Entry Name	PSB9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/low-molecular-weight-protein-proteasome-beta-type-subunit-lmp7-psmb9/331263>